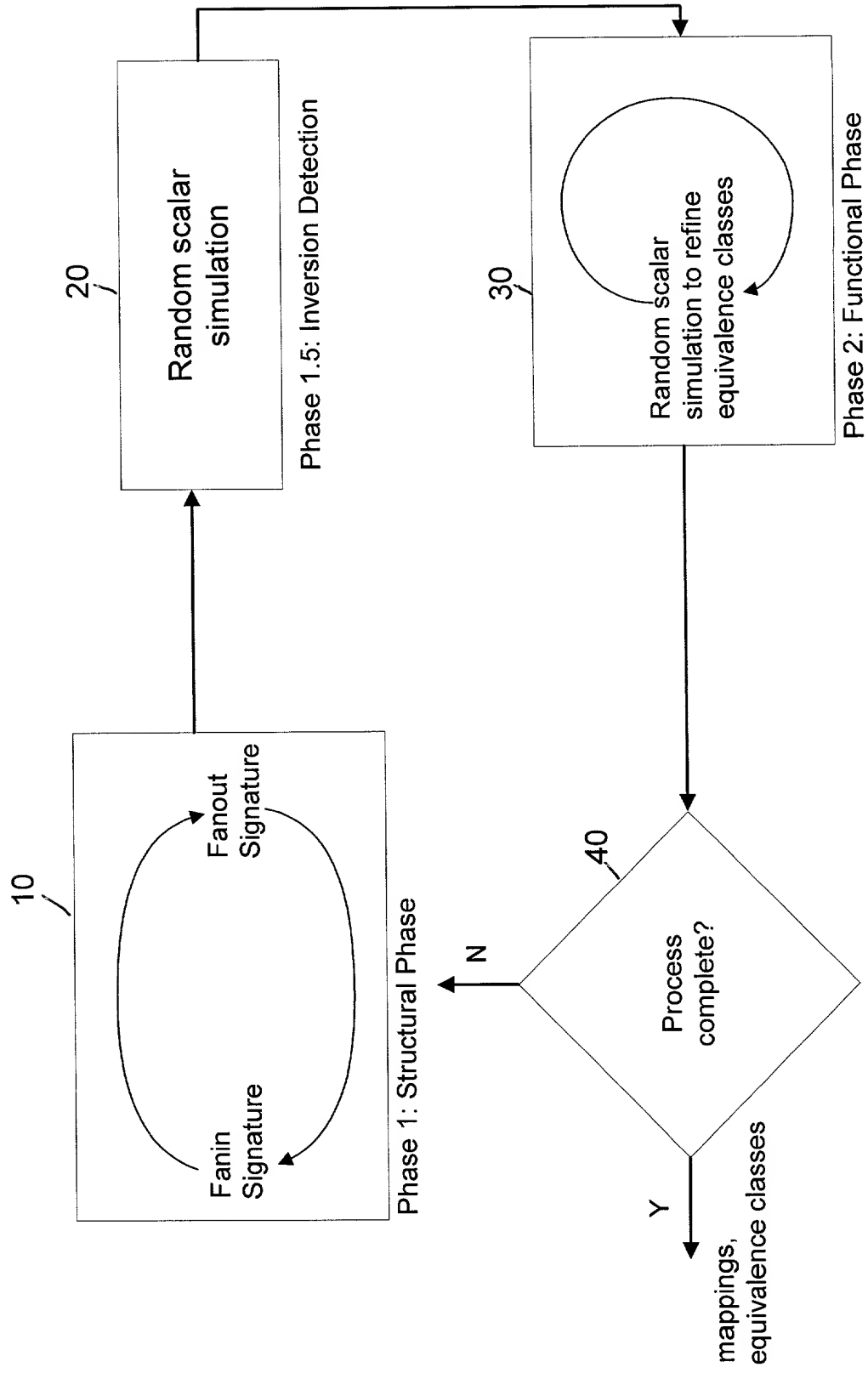
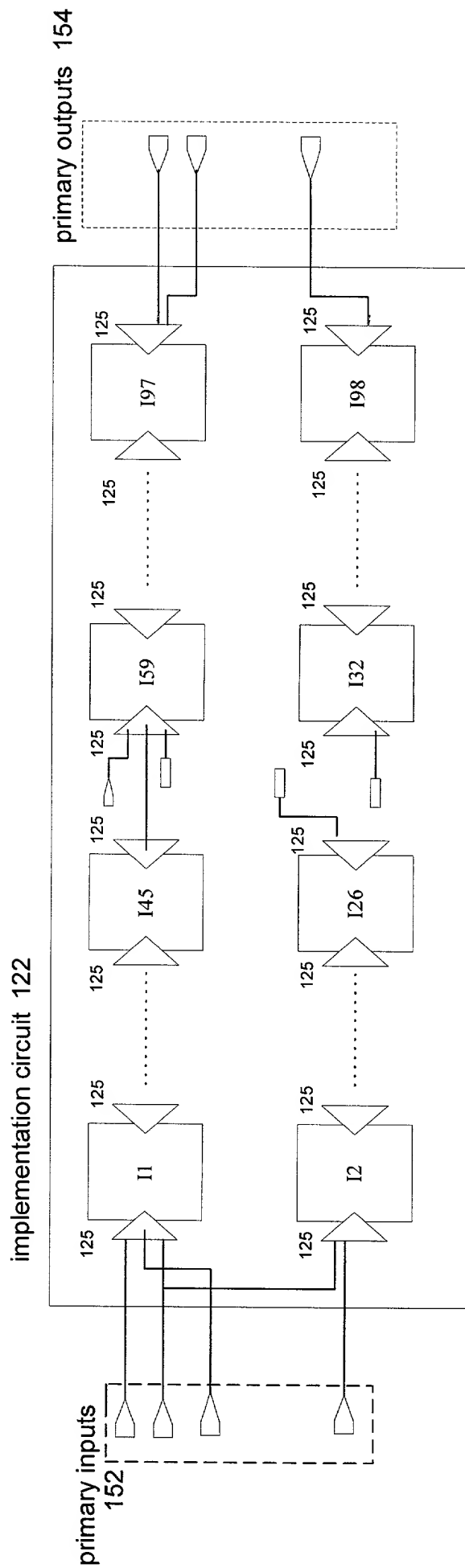
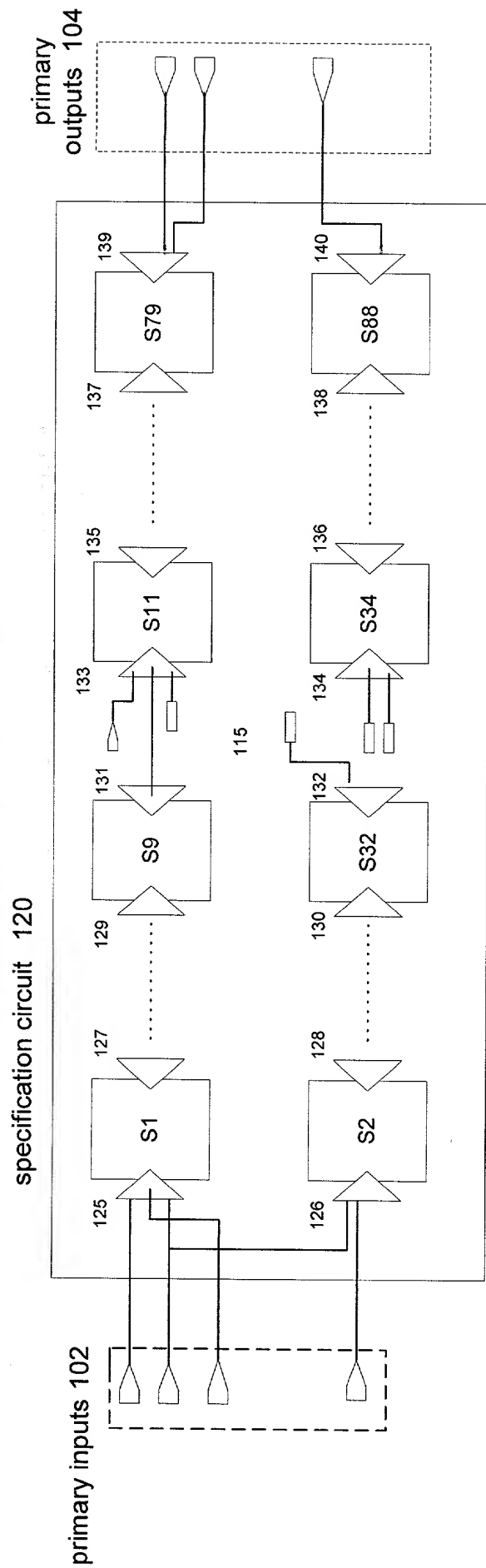
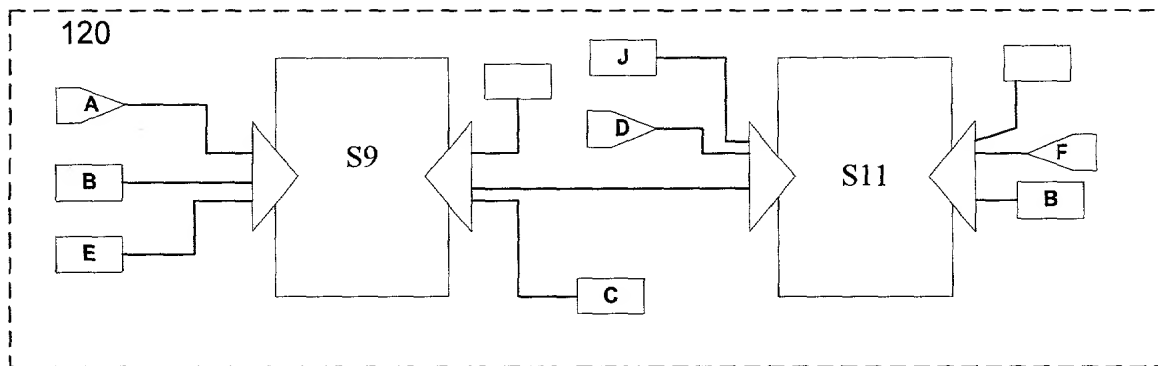


FIG. 1







STAGE 1

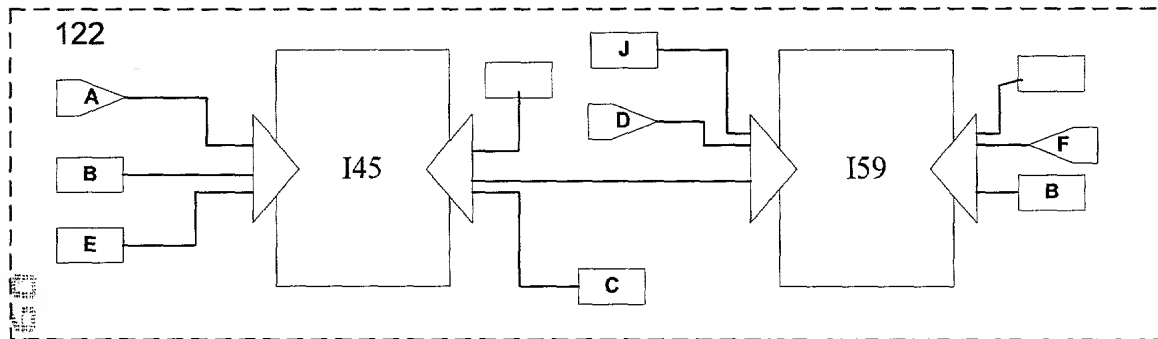
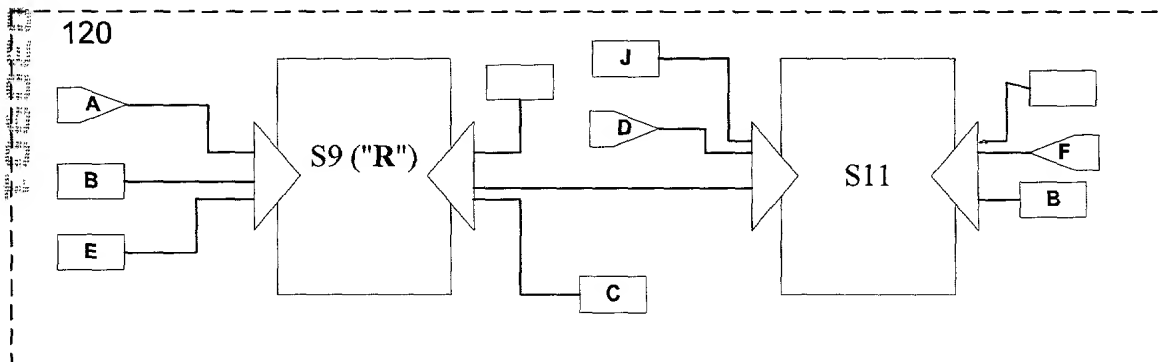


FIG. 3a



STAGE 2

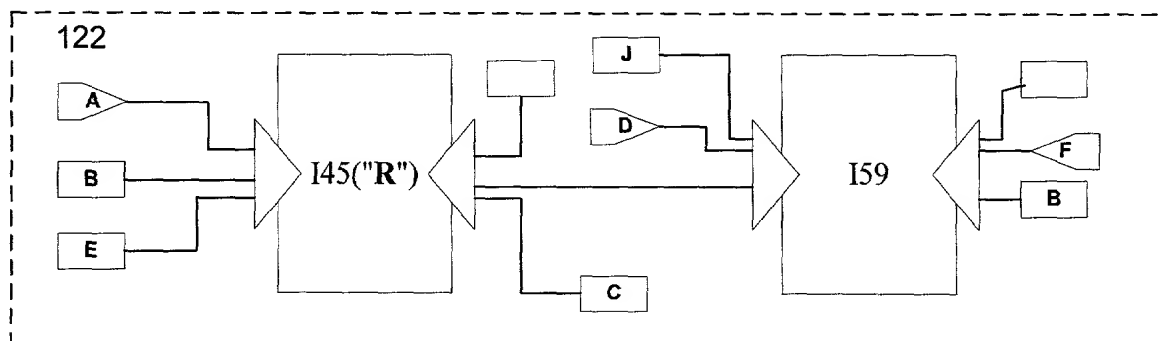


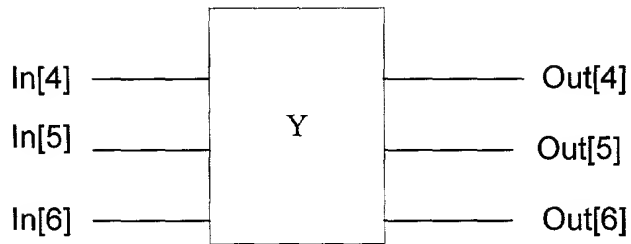
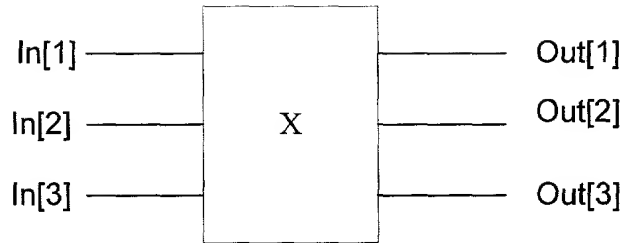
FIG. 3b

FIG. 4

Fanin signatures		Fanout signatures	
ABE	DJ	C	BF
S9	S11	S9	S11
I45	I59	I45	I59
	S7	S57	S29
	I35	I14	I8
		S80	S64
		I26	I53
		I75	
		I76	

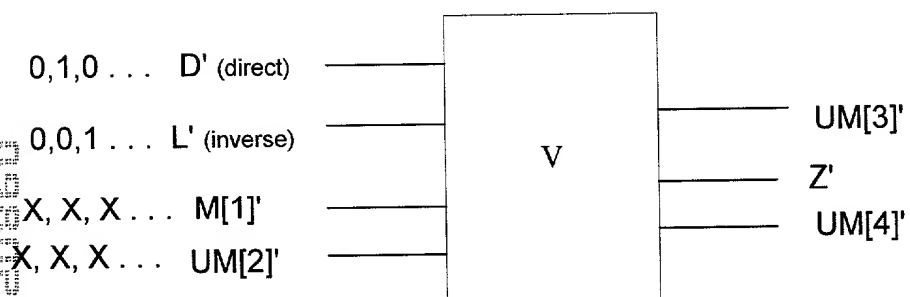
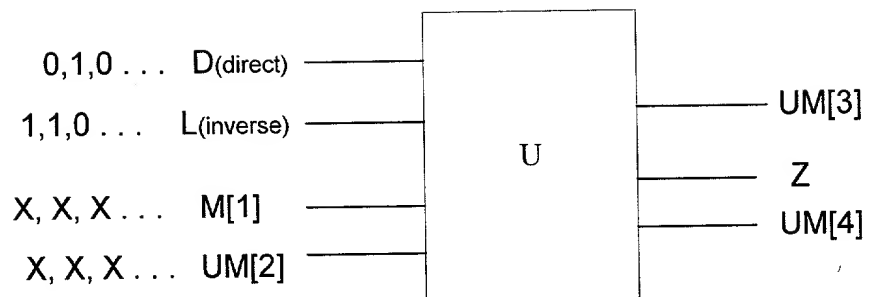
Fanin signatures		Fanout signatures	
ABE	DJR	C	BF
S9	S11	S9	S11
I45	I59	I45	I59
		S57	S29
		I14	I8
		S80	S64
		I26	I53
		I75	
		I76	

FIG. 5



250	In[1]	In[2]	In[3]	Out[1]	Out[2]	Out[3]
	0	0	0	0	1	0
	0	0	1	1	1	1
	0	1	0	0	1	1
Don't care input	0	1	1	1	0	1
	1	0	0	0	0	0
Don't care input	1	0	1	1	0	1
	1	1	0	1	1	0
	1	1	1	0	1	0
255	In[4]	In[5]	In[6]	Out[4]	Out[5]	Out[6]
	0	0	0	0	1	0
	0	0	1	1	1	1
	0	1	0	0	1	1
Don't care input	0	1	1	0	1	1
	1	0	0	0	0	0
Don't care input	1	0	1	0	0	1
	1	1	0	1	1	0
	1	1	1	0	1	0

FIG. 6



270

	D	L	D'	L'	M[1]	M[1]'	UM[1]	UM[1]'	Z	Z'
1	0	1	0	0	X	X	X	X	0	1
2	1	1	1	0	X	X	X	X	1	0
3	0	0	0	1	X	X	X	X	0	1
.										
.										
.										
30	1	0	1	1	X	X	X	X	0	1
31	0	1	0	0	X	X	X	X	0	1
32	1	0	1	1	X	X	X	X	X	X

FIG. 7

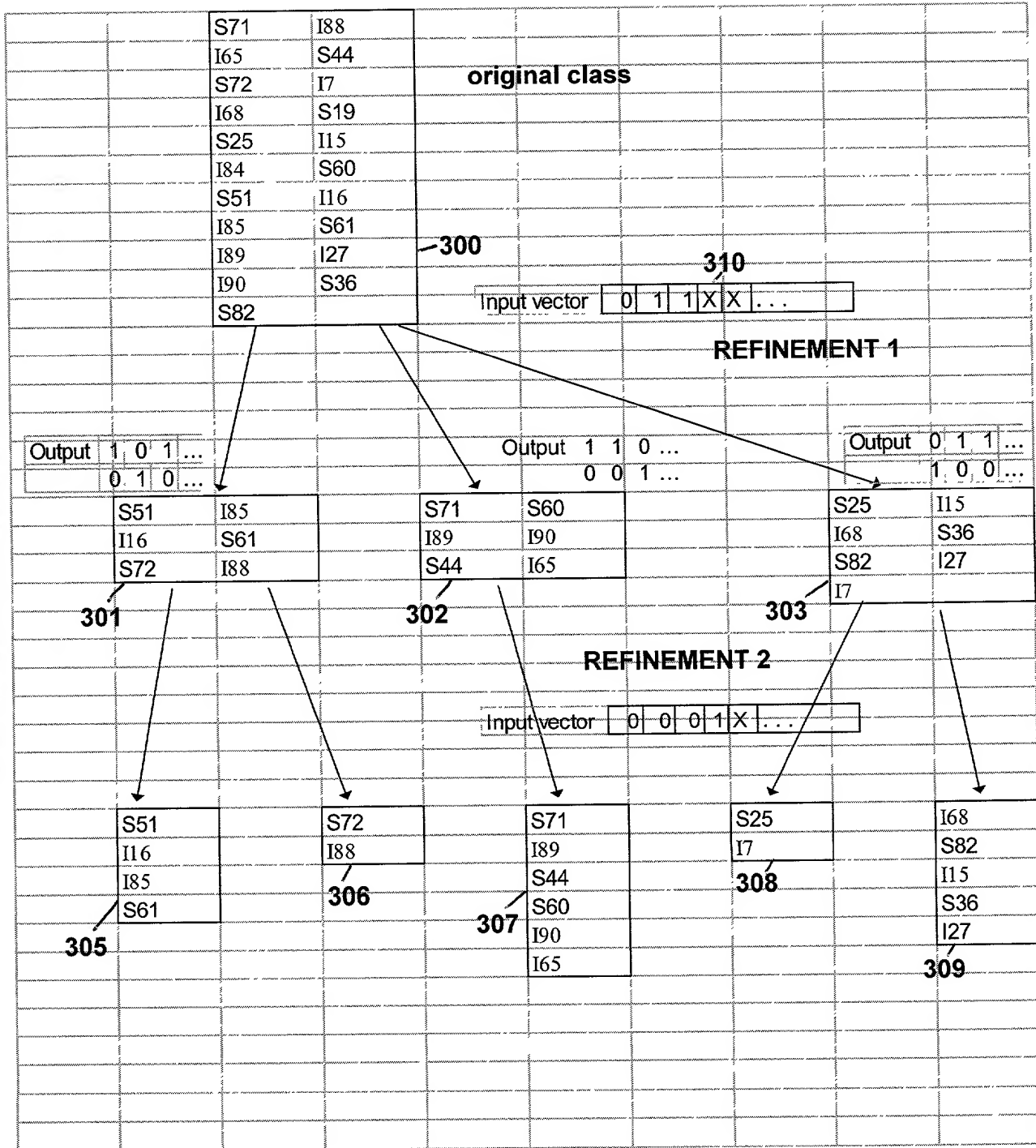


FIG. 8

